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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

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AUXILIARY

LAW OFFICES

BROWN NIETERT & KAUFMAN, CHARTERED

SUITE 660

1920 N STREET, N.W.

WASHINGTON, D.C. 20036

TEL (202) 887-0600

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February 7, 1994 DOCKET FILE COPY ORIGINAL

Mr. William Caton, Acting Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

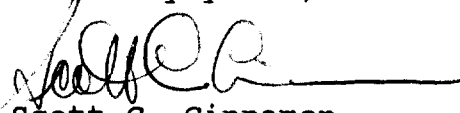
In re: Application of Aurio A. Matos
BPH-911114MS
Culebra, Puerto Rico
Amendment

Dear Mr. Caton:

For Aurio A. Matos, applicant for a new FM Station at Culebra, Puerto Rico, here are is an original and two copies of an Amendment to his application proposed a new transmitter site. A Petition for Leave to Amend is being filed contemporaneously under separate cover.

If there is any question concerning this matter, please advise the undersigned.

Sincerely yours,


Scott C. Cinnamon
His Attorney

cc w/enc: Chief, Data Management Services

cc w/o enc.: The Review Board
Gary P. Schonman, Esq.
Audrey P. Rasmussen, Esq.
Aurio A. Matos

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FEB 14 1994

FM EXAMINERS

Section V-B - FM BROADCAST ENGINEERING DATA

FOR COMMISSION USE ONLY

File No. _____

ASB Referral Date _____

Referred by _____

Name of Applicant

Aurio Matos Barreto

Call letters (if issued)

New

Is this application being filed in response to a window? ☐ Yes ☒ No

If Yes, specify closing date: _____

Purpose of Application: (check appropriate boxes)

Amend BPH-911114 MS

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FEB - 7 1994

☐ Construct a new (main) facility☐ Construct a new auxiliary facility☐ Modify existing construction permit for main facility☐ Modify existing construction permit for auxiliary facility☐ Modify licensed main facility☐ Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

☒ Antenna supporting-structure height☐ Effective radiated power☒ Antenna height above average terrain☐ Frequency☒ Antenna location☐ Class☐ Main Studio location☐ Other (Summarize briefly)File Number(s) Amends BPH-911114 MS

1. Allocation:

Channel No.	Principal community to be served:		
	City	County	State
293	Culebra	Culebra	PR

Class (check only one box below)

☒ A ☐ B1 ☐ B ☐ C3☐ C2 ☐ C1 ☐ C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark. 1.25 miles, 322.4° from City of Culebra, Culebra County, Puerto Rico.

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	18° 19' 10"	Longitude	65° 18' 48"
----------	-------------	-----------	-------------

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? ☐ Yes ☒ No

If Yes, give call letter(s) or file number(s) or both.

n/a

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

n/a

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	°	'	"	Longitude	°	'	"
----------	---	---	---	-----------	---	---	---

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.
1Date 1/10/94 Office where filed San Juan

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	<u>Culebra</u>	<u> </u>	<u> </u>
(b)	<u> </u>	<u> </u>	<u> </u>

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level; 145 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 64 meters(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 209 meters

(b) Height of radiation center: (to the nearest meter) H - Horizontal; V - Vertical

(1) above ground 58 meters (H)58 meters (V)(2) above mean sea level [(aX1) + (bX1)] 203 meters (H)203 meters (V)(3) above average terrain 200 meters (H)200 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.
2

9. Effective Radiated Power:

(a) ERP in the horizontal plane

6 kw (H=) 6 kw (V=)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.
n/a kw (H=) kw (V=)

*Polarization

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.
n/a

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.
n/a

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.
n/a

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

See Exhibit #3

☒ Yes ☐ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

☐ Yes ☐ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.
n/a

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.
n/a

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.
n/a

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast (except citizens band or amateur) radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.
4

blanketing calculation
is exhibit #4A

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V (D). The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. 5

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. 6

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 259 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 4728.2 Sq Km ^{total area} Population 69,132
329 Sq Km land area

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. n/a

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

☒ Linearly interpolated 30-second database ☐ 7.5 minute topographic map

(Source: NGDC)

☐ Other *(briefly summarize)*

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 316 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
" 142	199.8	22.9	38.8
0 **			
45 **			
90	190.7	22.4	38.1
135	201.5	23.0	38.9
180	203.0	23.0	39.1
225	202.5	23.0	39.0
270	203.0	23.0	39.1
315 *	197.4	22.74	38.62

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT. *Radial shortened by Atlantic Ocean per 73.313 (d)(4)(iii)

**Total Radial over Atlantic Ocean and excluded per 73.313 (d)(4)(ii)

20. Environmental Statement/See 47 C.F.R. Section 1.1301 et seq.

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

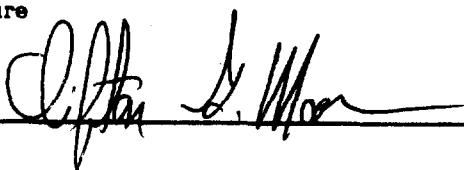
If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No.

If No, explain briefly why not. Categorically Excluded. RFR Calculation Exhibit #7

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed) Clifton G. Moor Bromo Communications	Relationship to Applicant (e.g., Consulting Engineer) Technical Consultant
Signature 	Address (Include ZIP Code) P.O. Box 21760 St. Simons Island, GA 31522
Date January 10, 1994	Telephone No. (Include Area Code) (912) 638-5608

AMENDMENT OF BPH-911114MS
AURIO MATOS BARRETO
CHANNEL 293 - CLASS A
6 KW - 200 M HAAT
CULEBRA, PUERTO RICO
January 1994

TECHNICAL STATEMENT


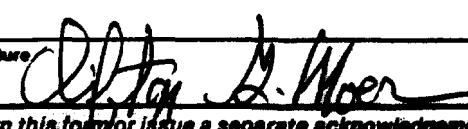
This exhibit was prepared for Aurio Matos Barreto, applicant for channel 293 A at Culebra, Puerto Rico. This instant application seeks to amend BPH-911114MS. Due to reasons beyond the applicant's control it has become necessary to file an amendment to a new site for new service on channel 293 A. Because new tower construction is required, the Federal Aviation Administration is being notified of this construction.

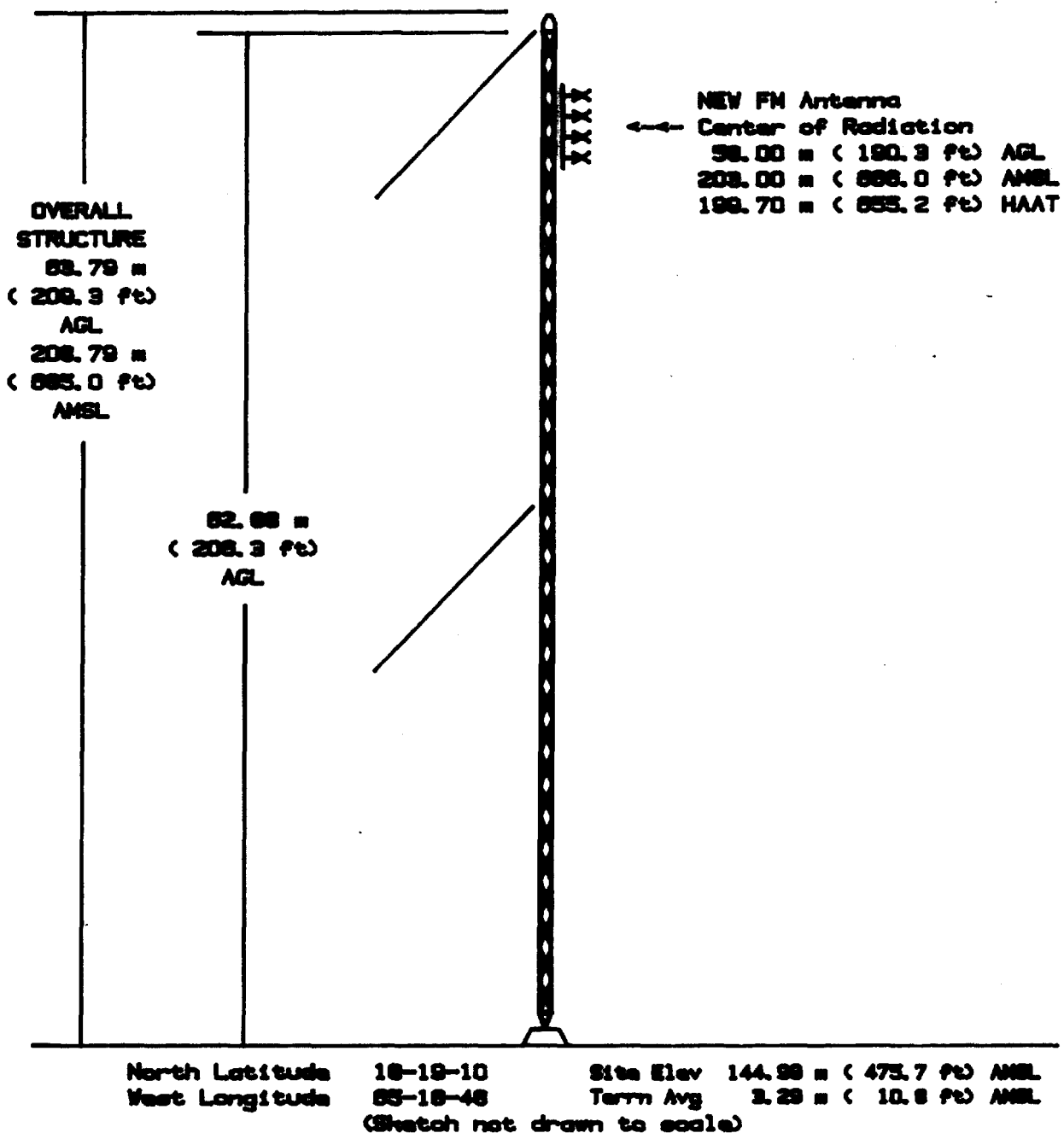
Regarding the terrain radials two radials, 0 and 45 degrees are omitted because they are totally over the Atlantic Ocean and are excluded per paragraph 73.313 (d)(4)(ii). Radial 315 is partially over land and only that area over land is considered with the Atlantic Ocean area being excluded per 73.313 (d)(4)(iii).

The proposed site of north latitude 18 degrees 19 minutes 10 seconds and west longitude 65 degrees 18 minutes and 48 seconds meets all spacing standards. Exhibit #3 indicates that compliance.

The proposed site is plotted on the Culebra and Adjacent Islands, Puerto Rico topographic map. The section of that map where the site is found is Exhibit #5. Because the site is on an internal portion of the map it was difficult to get

the latitude and longitude references from the side of top of the map in exhibit #5. Therefore Exhibit #5B is a photo reduced map and Exhibit #5A is the complete map and accompanies the original application only.

 US Department of Transportation Federal Aviation Administration		NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION		Aeronautical Study Number													
1. Nature of Proposal A. Type <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration B. Class <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary (Duration _____ months) C. Work Schedule Dates Beginning <u>FCC Approval</u> End <u>12 mo.</u>				2. Complete Description of Structure A. Include effective radiated power and assigned frequency of all existing, proposed or modified AM, FM or TV broadcast stations utilizing this structure. B. Include size and configuration of power transmission lines and their supporting towers in the vicinity of FAA facilities and public airports. C. Include information showing site orientation, dimensions and construction materials of the proposed structure. <div style="text-align: center;"> FM Antenna Tower 6 KW ERP 106.5 mHz 4-Bay Antenna </div>													
3A. Name and address of individual, company, corporation, etc. proposing the construction or alteration. (Number, Street, City, State and Zip Code) <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> (912) <u>638-5608</u> <small>area code Telephone Number</small> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Mr. Aurio Matos Barreto P. O. Box 847 TO Mayaguez, PR 00709 </div> </div>				(if more space is required, continue on a separate sheet.)													
3B. Name, address and telephone number of proponent's representative if different than 3 above. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Clifton G. Moor (912) 638-5608 Bromo Communications, Inc. P. O. Box 21760 St. Simons Island, GA 31522 </div>																	
4. Location of Structure <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">A. Coordinates (To nearest second)</td> <td style="width: 25%;">B. Nearest City, Town and State</td> <td style="width: 25%;">C. Name of nearest airport, heliport, flightpark, or seaplane base</td> </tr> <tr> <td>Latitude 19 10 00 Longitude 65 18 48</td> <td>Culebra, PR (1) Distance to 48 1.25 Miles (2) Direction to 48 142 Degrees</td> <td>Culebra (1) Distance from structure to nearest point of nearest runway 1 Mile (2) Direction from structure to airport Southeast</td> </tr> </table>				A. Coordinates (To nearest second)	B. Nearest City, Town and State	C. Name of nearest airport, heliport, flightpark, or seaplane base	Latitude 19 10 00 Longitude 65 18 48	Culebra, PR (1) Distance to 48 1.25 Miles (2) Direction to 48 142 Degrees	Culebra (1) Distance from structure to nearest point of nearest runway 1 Mile (2) Direction from structure to airport Southeast	5. Height and Elevation (Complete to the nearest foot) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">A. Elevation of site above mean sea level</td> <td style="width: 50%;">475.7</td> </tr> <tr> <td>B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated</td> <td>209.3</td> </tr> <tr> <td>C. Overall height above mean sea level (A + B)</td> <td>685.0</td> </tr> </table>		A. Elevation of site above mean sea level	475.7	B. Height of Structure including all appurtenances and lighting (if any) above ground, or water if so situated	209.3	C. Overall height above mean sea level (A + B)	685.0
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C. Overall height above mean sea level (A + B)	685.0																
D. Description of location of site with respect to highways, streets, airports, prominent terrain features, existing structures, etc. Attach a U.S. Geological Survey quadrangle map or equivalent showing the relationship of construction site to nearest airport(s). (if more space is required, continue on a separate sheet of paper and attach to this notice.) On hilltop 1.25 miles at 322.4° from Culebra, Culebra County, Puerto Rico. Topographic map is attached																	
Notice is required by Part 77 of the Federal Aviation Regulations (14 C.F.R. Part 77) pursuant to Section 1101 of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1101). Persons who knowingly and willingly violate the Notice requirements of Part 77 are subject to a fine (criminal penalty) of not more than \$500 for the first offense and not more than \$2,000 for subsequent offenses, pursuant to Section 902(a) of the Federal Aviation Act of 1958, as amended (49 U.S.C. 1472(a)).																	
I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking & lighting standards if necessary.																	
Date 1/10/94		Typed Name/Title of Person Filing Notice Clifton G. Moor Consultant		Signature 													
FOR FAA USE ONLY				FAA will either return this form or issue a separate acknowledgement.													
The Proposal: <input type="checkbox"/> Does not require a notice to FAA. <input type="checkbox"/> Is not identified as an obstruction under any standard of FAR, Part 77, Subpart C, and would not be a hazard to air navigation. <input type="checkbox"/> Is identified as an obstruction under the standards of FAR, Part 77, Subpart C, but would not be a hazard to air navigation. <input type="checkbox"/> Should be obstruction <input type="checkbox"/> MARKED, <input type="checkbox"/> lighted per FAA Advisory Circular 70/7460-1, Chapter(s) _____ <input type="checkbox"/> Obstruction marking and lighting are not necessary.				Supplemental Notice of Construction FAA Form 7460-2 is required any time the project is abandoned, or <input type="checkbox"/> At least 48 hours before the start of construction. <input type="checkbox"/> Within five days after the construction reaches its greatest height. This determination expires on _____ (a) extended, revised or terminated (b) the construction is subject to an application for a construction, or on the date NOTE: Request for extension of the issuing office at least _____ If the structure is subject to that Agency.													
Remarks:				<div style="border: 1px solid black; padding: 10px; text-align: center;"> EXHIBIT #1 AMEND BPH911114MS AURIO MATOS BARRETO CHANNEL 293 - CLASS A 6 KW - 200 M HAAT CULEBRA, PUERTO RICO JANUARY 1994 </div>													
Issued In		Signature															



VERTICAL PLAN SKETCH

SITE ELEVATION - 145 m (475 ft) AMSL
TOP OF STRUCTURE - 84 m (209 ft) AGL
209 m (685 ft) AMSL
FM Antenna COR - 58 m (190 ft) AGL
208 m (685 ft) AMSL
200 m (655 ft) HAAT

FIGURES ROUNDED TO NEAREST METER (FOOT).

EXHIBIT #2

AMEND BPH911114MS
AURIO MATOS BARRETO
CHANNEL 293 - CLASS A
6 KW - 200 M HAAT
CULEBRA, PUERTO RICO
JANUARY 1994

BROMO
COMMUNICATIONS
BROADCAST
TECHNICAL CONSULTANTS
St Simons Island, Georgia
Washington, D.C.

Aurio Matos Barreto
Searching at Amended Site

REFERENCE
18 19 10 N
65 18 48 W

CLASS A
Current rules spacings
CHANNEL 293 -106.5 MHz

DISPLAY DATES
DATA 10-28-93
SEARCH 01-09-94

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
AP293 AP CN	293A 18 19 39	Culebra 65 18 05	PR 6.000 kW	54.8 202M	1.55 1.0	115.0 71.5	-113.45 *
Aurio A. Matos					BPH911114MS		920414
ALOPEN AL N	293A 18 18 18	Culebra 65 18 06	PR 0.000 kW	142.4 0M	2.02 1.3	115.0 71.5	-112.98 *
89-495 >Effective 10-14-91					WO= 911016		911115
AP293 AP CN	293A 18 18 12	Culebra 65 18 09	PR 6.000 kW	147.3 25M	2.12 1.3	115.0 71.5	-112.88 *
Lloyd Santiago-Santos & Lour					BPH911115MP		920414
* AD291 AD	291B 18 19 39	Vieques 65 18 05	PR 0.000 kW	54.8 0M	1.55 1.0	69.0 42.9	-67.45 *
V.I. Stereo Communications					RM7942		
WNIKFM LI HN	293B1 18 28 28	Arecibo 66 43 40	PR 19.500 kW	276.5 -82M	150.44 93.5	143.0 88.9	7.44
Kelly Broadcasting System Cor					BLH2953		
WVIS LI CN	291B 17 44 51	Christiansted 64 50 11	VI 9.000 kW	141.4 272M	80.98 50.3	69.0 42.9	11.98
V. I. Stereo Communications C					BLH870114KB		
DE291 DE	291B 17 44 51	Christiansted 64 50 11	VI 0.000 kW	141.4 0M	80.98 50.3	69.0 42.9	11.98
V.I. Stereo Communications							
WVIS.C CP CN	291B 17 44 51	Christiansted 64 50 11	VI 50.000 kW	141.4 288M	80.98 50.3	69.0 42.9	11.98
V. I. Stereo Communications C					BPH910627JF		

ALLOCATION STUDY

* A GRANT IN THIS PROCEEDING IS CONTINGENT ON THE OUTCOME OF MM DOCKET 91-259

EXHIBIT #3

AMEND BPH911114MS
AURIO MATOS BARRETO
CHANNEL 293 - CLASS A
6 KW - 200 M HAAT
CULEBRA, PUERTO RICO
JANUARY 1994

EROMO
COMMUNICATIONS

St Simons Island, Georgia

BROADCAST
TECHNICAL CONSULTANTS

Washington, D.C.

Culebra PR

LATITUDE 18°19'10" LONGITUDE 65°18'48"

AM STATIONS WITHIN 5 KM

FREQ	KM	MI	BEARING	LAT / LONG	STATUS	CL	PWR	FIELD	CALL	CO	ST	CITY
NONE												

FM STATIONS WITHIN 10 KM

CHANNEL	KM	MI	BEARING	LAT / LONG	STATUS	PWR	CALL	ST	CITY
207B	1.15	0.71	43.5	18-19-37/ 65-18-21	AP	30.00	AP207	PR	Culebra
254A	2.02	1.26	142.5	18-18-18/ 65-18- 6	AD	0.00	AD254	PR	Culebra
255B	1.55	0.96	54.6	18-19-39/ 65-18- 5	DE	0.00	DE255	PR	Vieques
255B	1.55	0.96	54.6	18-19-39/ 65-18- 5	LI	50.00	WSAN	PR	Vieques
291B	1.55	0.96	54.6	18-19-39/ 65-18- 5	AD	0.00	AD291	PR	Vieques
293A	1.55	0.96	54.6	18-19-39/ 65-18- 5	AP	6.00	AP293	PR	Culebra
293A	2.12	1.32	147.4	18-18-12/ 65-18- 9	AP	6.00	AP293	PR	Culebra
293A	2.02	1.26	142.5	18-18-18/ 65-18- 6	DE	0.00	DE293	PR	Culebra
293A	2.02	1.26	142.5	18-18-18/ 65-18- 6	DE	0.00	DE293	PR	Culebra
293A	2.02	1.26	142.5	18-18-18/ 65-18- 6	AL	0.00	ALLOC	PR	Culebra

TV STATIONS WITHIN 10 KM

CHANNEL	KM	MI	BEARING	LAT / LONG	STATUS	PWR	CALL	ST	CITY
20-	1.56	0.97	57.7	18-19-37/ 65-18- 3	CP	41.200	W20BB	PR	CULEBRA

No interference is expected from this proposed construction. If in the event there is unexpected interference, Aurio Matos Barreto will use good engineering practices to the Commission's satisfaction.

NEARBY STATIONS

EXHIBIT #4

AMEND BPH911114MS
 AURIO MATOS BARRETO
 CHANNEL 293 - CLASS A
 6 KW - 200 M HAAT
 CULEBRA, PUERTO RICO
 JANUARY 1994

BROMO
COMMUNICATIONS
 St Simons Island, Georgia
 BROADCAST
 TECHNICAL CONSULTANTS
 Washington, D.C.

BROMO COMMUNICATIONS, INC.

Broadcast Technical Consultants

FM BLANKETING CONTOUR CALCULATION

The blanketing contour of New FM is determined using the following formula as defined in §73.318 of the Commission's Rules:

$$D = 0.394 * \text{SQR}(P)$$

where D= distance to blanketing contour in km
P= ERP in kW of the station

The ERP of New FM is 6 kW yeilding a blanketing contour 0.97 km from the tower.

While there may be some sparsely populated area within the blanketing contour, it is the experience of this firm that very little, if any blanketing interference will be evidenced by the grant of this proposal. New FM will follow the guidelines of §73.318 and good engineering practice to address blanketing complaints to the Commission's satisfaction.

BLANKETING CALCULATION

EXHIBIT #4A

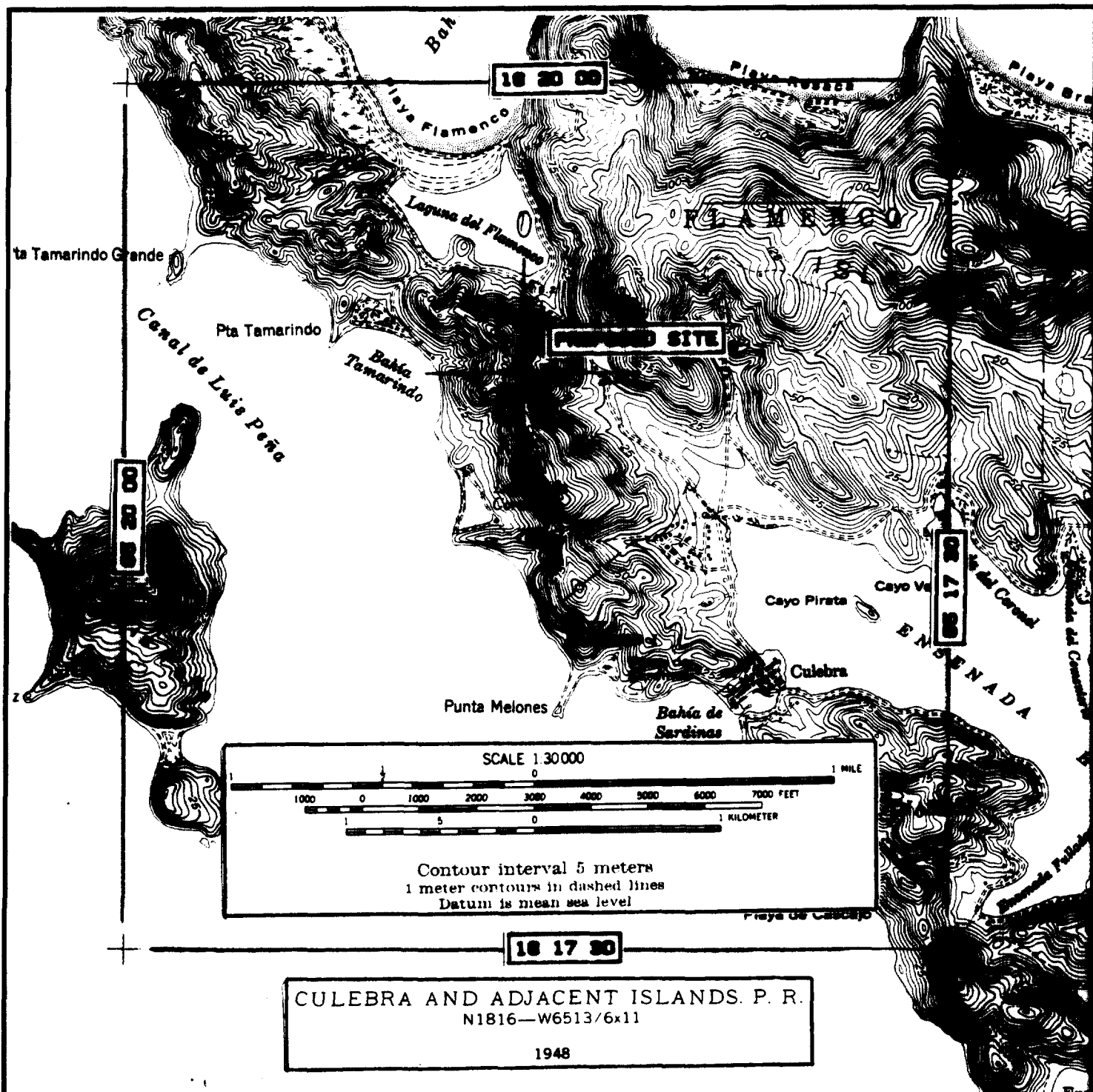
**AMEND BPH911114MS
AURIO MATOS BARRETO
CHANNEL 293 - CLASS A
6 KW - 200 M HAAT
CULEBRA, PUERTO RICO
JANUARY 1994**

BROMO
COMMUNICATIONS

St Simons Island, Georgia

BROADCAST
TECHNICAL CONSULTANTS

Washington, D.C.



SITE DETAIL

THE COMPLETE CULEBRA 1:30,000 TOPOGRAPHIC MAP IS ATTACHED TO THE ORIGINAL APPLICATION AS EXHIBIT #3A.

PROPOSED SITE:

18 19 10 NORTH LATITUDE
65 18 48 WEST LONGITUDE

EXHIBIT #5

AMEND BPH911114MS
AURIO MATOS BARRETO
CHANNEL 293 - CLASS A
8 KW - 200 M HAAT
CULEBRA, PUERTO RICO
JANUARY 1984

BROMO
COMMUNICATIONS

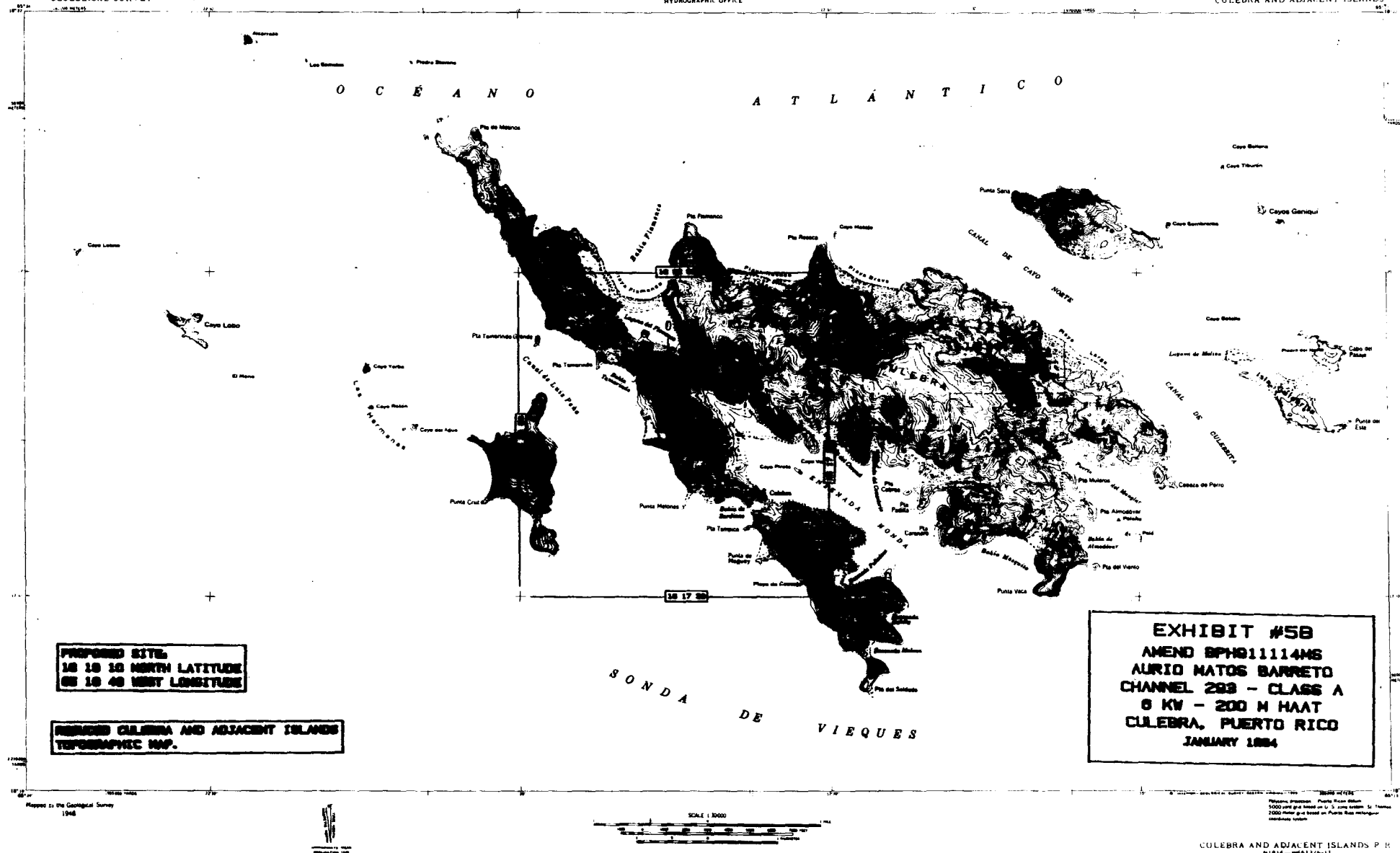
St Simons Island, Georgia

BROADCAST
TECHNICAL CONSULTANTS

Washington, D.C.

UNITED STATES
DEPARTMENT OF THE NAVY
HYDROGRAPHIC OFFICE

PUERTO RICO
CULEBRA AND ADJACENT ISLANDS



FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22082
AND DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, SAN JUAN, P. R. 00910
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

COLEBRA AND ADJACENT ISLANDS P. R.
#1816-#6513/6:11

AMEND BPH-911114MS
AURIO MATOS BARRETO
CHANNEL 239 - CLASS A
6 KW - 200 M HAAT
CULEBRA, PUERTO RICO
January 1994

EXHIBIT #7

Radiofrequency Radiation Study and Statement

This radiofrequency radiation study is being conducted to determine whether this proposal is in compliance with OST Bulletin Number 65, dated October 1985, regarding human exposure to radiofrequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formula's contained in the OST Bulletin.

The new 4-bay antenna system will be mounted with its center of radiation 58 meters (190.3 feet) above the ground at the proposed tower location and operate with an effective radiated power of 6 kilowatts in the horizontal and vertical plane (circularly polarized). At two meters, the height of an average person, above the ground at the base of the proposed tower, this instant proposal will contribute, worst case, 0.128 mw or 12.8 % of the allowable ANSI limit. Since this level is below the 100% limit defined in the aforementioned bulletin, this proposal is believed to be in compliance with OST Bulletin Number 65 as is required by the Federal Communications Commission.

Further, the applicant will post warning signs in the

vicinity of the tower warning of potential radiofrequency radiation hazards at the site. In addition, the applicant will reduce the power of the proposed facility or cease operation as necessary, to protect persons having access to the site, tower or antenna from radiofrequency radiation in excess of FCC guidelines.

SECTION III - FINANCIAL QUALIFICATIONS

NOTE: If this application is for a change in an operating facility do not fill out this section.

1. The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue.

☒ Yes ☐ No

2. State the total funds you estimate are necessary to construct and operate the requested facility for three months without revenue.

\$ 238,000.00

3. Identify each source of funds, including the name, address, and telephone number of the source (and a contact person if the source is an entity), the relationship (if any) of the source to the applicant, and the amount of funds to be supplied by each source.

Source of Funds (Name and Address)	Telephone Number	Relationship	Amount
as previously filed			

SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☐ Yes ☐ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 896-A).

SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.3560?

☐ Yes ☐ No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

☐ Yes ☐ No

Exhibit No.

If No, attach as an Exhibit, a full explanation.

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of Person Contacted Jose R. Perez-Villamil

Telephone No. (include area code) 809-742-3343

Person contacted: (check one box below)

☒ Owner ☐ Owner's Agent ☐ Other (specify)

4. By checking Yes, the applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.


The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

SECTION VII - CERTIFICATION (Page 2)

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant Aurio A. Matos	Signature 
Date 2-3-94	Title Individual applicant

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT
AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 72 hours 40 minutes to 947 hours 25 minutes with an average of 218 hours 32 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Information Resources Branch, Room 418, Paperwork Reduction Project, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3050-0027), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.